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CLAIM AMENDMENTS

Claims 1-13 are currently pending in the application.

Please amend claims 1-13 as shown below.

Please add new claims 14-16 as shown below.

This listing of claims 1-16 will replace all prior versions, and listings, of claims in the application:

 (Currently Amended) A hydrogen storage material, comprising: hydrogen; and

a magnesium-containing intermetallic compound capable of forming a hydride with the hydrogen at room temperature, characterized in that wherein the intermetallic compound comprises includes an alloy of magnesium and a trivalent metal selected from the a group consisting of Sc, Y, La, and the actinide series of rare earth elements.

- 2. (Currently Amended) A <u>The hydrogen storage material as claimed in of claim</u>
 1, characterized in that the intermetallic compound comprises an wherein the alloy is selected from a group consisting of scandium-magnesium, gadolinium-magnesium, and yttrium-magnesium.
- 3. (Currently Amended) A <u>The hydrogen storage material as claimed in of claim</u>
 1, characterized in that the <u>wherein</u> the intermetallic compound comprises <u>includes</u> a scandium-magnesium alloy.
- 4. (Currently Amended) A <u>The hydrogen storage material as claimed in of claim</u>
 3, characterized in that the scandium-magnesium alloy comprises includes 1-50 at % scandium and 50-99 at. % magnesium.
- 5. (Currently Amended) A <u>The hydrogen storage material as claimed in of claim</u> 3, characterized in that the scandium-magnesium alloy comprises <u>includes</u> 15-40 at % scandium and 60-85 at. % magnesium.

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- 6. (Currently Amended) A The hydrogen storage material as claimed in of claim 3, characterized in that the scandium-magnesium alloy comprises includes 30-40 at % scandium and 60-70 at. % magnesium.
- 7. (Currently Amended) A The hydrogen storage material as claimed in of claim 3, characterized in that the scandium-magnesium alloy comprises includes $Sc_{0.35}Mg_{0.65}H_X$.
- 8. (Currently Amended) A The hydrogen storage material as claimed in of claim 1, characterized in that further comprising: an amount of a catalytically active material.
- 9. (Currently Amended) A The hydrogen storage material as claimed in of claim 8, characterized in that

wherein the catalytically active material comprises includes at least one metal selected from the a group consisting of palladium, platinum, cobalt, nickel, rhodium, or iridium, and/or a composition of the formula DE3[,];

wherein D is at least one element selected from the a group consisting of Cr. Mo and W[,]; and

wherein E is at least one element selected from the a group consisting of Ni and Co.

- 10. (Currently Amended) A The hydrogen storage material as claimed in of claim 8, eharacterized in that wherein the catalytically active material comprises includes one of palladium, platinum or rhodium.
- (Currently Amended) An electrochemically active material, characterized in that the material comprises a hydrogen storage material as claimed in claim 1 comprising:

hydrogen; and

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a magnesium-containing intermetallic compound capable of forming a hydride with the hydrogen, wherein the intermetallic compound includes an alloy of magnesium and a trivalent metal selected from a group consisting of Sc. Y, and the actinide series of rare earth elements.

- (Currently Amended) An electrochemical cell, at least comprising:
 a positive electrode; and
- a negative electrode <u>operatively paired with said positive electrode</u>, characterized in that the negative electrode comprises a hydrogen storage material as claimed in claim 1 said negative electrode including

hydrogen, and

a magnesium-containing intermetallic compound capable of forming a hydride with the hydrogen at room temperature, wherein the intermetallic compound includes an alloy of magnesium and a trivalent metal selected from a group consisting of Sc, Y, and the actinide series of rare earth elements.

13. (Currently Amended) <u>An Electronic electronic</u> equipment powered by at least one electrochemical cell, characterized in that the at least one electrochemical cell is an electrochemical cell as claimed in claim 12 each electrochemical cell comprising:

a positive electrode; and

a negative electrode operatively paired with said positive electrode, said negative electrode including

hydrogen, and

a magnesium-containing intermetallic compound capable of forming a hydride with the hydrogen at room temperature, wherein the intermetallic compound includes an alloy of magnesium and a trivalent metal selected from a group consisting of Sc, Y, and the actinide series of rare earth elements.

14. (New) The electrochemically active material of claim 11, further comprising: an amount of a catalytically active material.

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- 15. (New) The electrochemical cell of claim 12, further comprising: an amount of a catalytically active material.
- 16. (New) The electronic equipment of claim 13, wherein each electrochemical cell further comprises an amount of a catalytically active material.